

## Claims

1. A method of administering a gravity segregating dispersion to a subject by continuous infusion, wherein said dispersion is controllably delivered from an upper or lower extremity of an essentially vertically positioned delivery vessel and thereafter is admixed with a flushing medium prior to administration to the subject.
2. A method as claimed in claim 1 wherein said delivery vessel comprises a syringe.
3. A method as claimed in claim 2 wherein delivery of said dispersion from said syringe is controlled by a syringe driver.
4. A method as claimed in any of the preceding claims wherein said dispersion is a gas-containing contrast agent.
5. A method as claimed in claim 4 wherein said gas comprises sulphur hexafluoride or a perfluorinated low molecular weight hydrocarbon.
6. A method as claimed in claim 5 wherein said perfluorinated hydrocarbon is perfluoropropane or perfluorobutane.
7. A method as claimed in any of claims 4 to 6 wherein said gas is present as albumin-stabilised microbubbles.
8. A method as claimed in any of claims 4 to 6 wherein said gas is present as phospholipid-stabilised microbubbles.
9. A method as claimed in claim 8 wherein said phospholipid predominantly comprises phosphatidylserine.
10. A method as claimed in any of claims 4 to 9 wherein the delivery vessel comprises a syringe positioned for upward delivery of said contrast agent.
11. A method as claimed in any of the preceding claims wherein said flushing medium is normal saline.
12. A method as claimed in any of the preceding claims wherein the admixed dispersion and flushing medium are administered by injection.
13. Apparatus for use in administration of a gravity segregating dispersion by continuous infusion, said apparatus comprising:
- (i) a delivery device adapted to receive a dispersion-containing delivery vessel in an essentially vertical position and controllably to expel dispersion from an upper or lower extremity of said vessel;

(ii) mixing means adapted to effect admixture of said expelled dispersion with a flushing medium; and

(iii) conduit means adapted to conduct said admixed dispersion and flushing medium to an administration device.

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14. Apparatus as claimed in claim 13 wherein said delivery device is a syringe driver adapted to receive an essentially vertically positioned syringe.

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15. Apparatus as claimed in claim 13 or claim 14 wherein said mixing means comprise a three way connector or tap adapted to connect said delivery vessel and a source of flushing medium to said conduit means.

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16. Apparatus as claimed in any of claims 13 to 15 which further comprises flow rate controlling means for controlling the rate of flow of said flushing medium.

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17. Apparatus as claimed in any of claims 13 to 16 which further comprises means for inverting the position of said delivery vessel.

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18. Use of apparatus as claimed in any of claims 13 to 17 in administration of a gravity segregating dispersion to a subject by continuous infusion.